

What is claimed is:

1. A score data displaying/editing apparatus comprising:

a storage section that stores score data including a plurality of note data, each of the note data including (a) fundamental attribute data composed of pitch data indicative of a pitch of a sound and sounding period data indicative of a sounding period of the sound, and (b) a plurality of types of additional attribute data indicative of attributes other than the pitch and sounding period of the sound; and

a display section that, for each of the plurality of note data, displays a pictorial figure or symbol indicative of contents of the fundamental attribute data included in the note data and a letter, numeral, symbol or pictorial figure indicative of contents of the additional attribute data included in the note data, simultaneously in proximity to each other.

2. A score data displaying/editing apparatus as claimed in claim 1 which further comprises a selection section that selects one or more of the plurality of types of additional attribute data, and wherein said display section displays a letter, numeral, symbol or pictorial figure indicative of contents of the additional attribute data of the types selected by said selection section.

3. A score data displaying/editing apparatus as claimed in claim 1 which further comprises:

a state change section that sets, to a changeable state, one of the additional attribute data for each of which the letter, numeral, symbol or pictorial figure indicative of the contents is being displayed by said display section; and

a data change section that changes the additional attribute data having

been set to the changeable state by said state change section, or sets the additional attribute data, having been set to the changeable state, to a non-changeable state without changing the same, and

wherein the plurality of note data constituting the score data are segmented into a plurality of part data corresponding to a plurality of parts, and

said state change section selects one of the additional attribute data of one of the types, selected by said selection section, on the basis of at least one of the pitch data, sounding period data and additional attribute data included in the part data that include the one additional attribute data, and then said state change section sets the selected additional attribute data to a changeable state.

4. A score data displaying/editing apparatus as claimed in claim 3 wherein, when one of the additional attribute data is set to the non-changeable state by said data change section, said state change section sets the selected additional attribute data to a changeable state.

5. A score data displaying/editing apparatus as claimed in claim 3 wherein said display section displays pictorial figures or symbols indicative of the contents of the fundamental attribute data of the note data included in the part data that include the additional attribute data set by said state change section to the changeable state, in a different style from pictorial figures or symbols indicative of the contents of the fundamental attribute data of the note data included in the part data that do not include the additional attribute data set by said state change section to the changeable state.

6. A score data displaying/editing apparatus as claimed in claim 1 wherein the additional attribute data corresponds to any one of attributes of a phonetic

symbol, note velocity, accent intensity, legato intensity, vibrato intensity and vibrato period.

7. A score data displaying/editing apparatus comprising:

a storage section that stores score data including a plurality of note data, each of the note data including (a) fundamental attribute data composed of pitch data indicative of a pitch of a sound and sounding period data indicative of a sounding period of the sound, (b) additional attribute data indicative of an attribute other than the pitch and sounding period of the sound, and (c) time data indicative of timing or period when control based on the additional attribute data is to be applied; and

a display section that, for each of the plurality of note data, displays a pictorial figure or symbol indicative of contents of the fundamental attribute data included in the note data and a letter, numeral, symbol or pictorial figure indicative of contents of the additional attribute data included in the note data, simultaneously at a position specified on the basis of the time data included in the note data.

8. A score data displaying/editing apparatus as claimed in claim 7 wherein, for each of the plurality of note data, said display section displays, on a coordinate plane having a first axis representative of a sound pitch and a second axis representative of passage of time and at a position, in a direction of said first axis, corresponding to the sound pitch indicated by the pitch data included in the note data, a pictorial figure having, as opposite end points thereof, positions, in a direction of said second axis, corresponding to start and end time points of the sounding period indicated by the sounding period data included in the note data.

9. A score data displaying/editing apparatus as claimed in claim 8 wherein said display section further displays a pointer in the form of a pictorial figure or symbol indicative of a position on the coordinate surface, and

which further comprises:

a position control section that controls the position of the pointer on the coordinate surface;

a designation section that, when a letter, numeral, symbol or pictorial figure indicative of the contents of the additional attribute data is being displayed, by said display section, at a position pointed to by the pointer, designates the letter, numeral, symbol or pictorial figure; and

a data change section that changes the contents of the additional attribute data being displayed in the letter, numeral, symbol or pictorial figure designated by said designation section, in accordance with a variation in the position of the pointer made by said position control section.

10. A score data displaying/editing apparatus as claimed in claim 7 wherein, for each of the plurality of note data, said storage section stores, as the additional attribute data, data indicative of a partial voice waveform obtained by dividing a voice waveform corresponding to a word of a song in accordance with a phonetic characteristic of the voice waveform.

11. A score data displaying/editing apparatus as claimed in claim 7 wherein the additional attribute data corresponds to any one of attributes of a phonetic symbol, note velocity, accent intensity, legato intensity, vibrato intensity and vibrato period.

12. A program for execution by a computer to display score data including a plurality of note data, each of the note data including (a) fundamental attribute

data composed of pitch data indicative of a pitch of a sound and sounding period data indicative of a sounding period of the sound, and (b) a plurality of types of additional attribute data indicative of attributes other than the pitch and sounding period of the sound, said program comprising

a step of, for each of the plurality of note data, displaying a pictorial figure or symbol indicative of contents of the fundamental attribute data included in the note data and a letter, numeral, symbol or pictorial figure indicative of contents of the additional attribute data included in the note data, simultaneously in proximity to each other.

13. A program for execution by a computer to display score data including a plurality of note data, each of the note data including (a) fundamental attribute data composed of pitch data indicative of a pitch of a sound and sounding period data indicative of a sounding period of the sound, (b) additional attribute data indicative of an attribute other than the pitch and sounding period of the sound, and (c) time data indicative of timing or period when control based on the additional attribute data is to be applied, said program comprising

a step of, for each of the plurality of note data, displaying a pictorial figure or symbol indicative of contents of the fundamental attribute data included in the note data and a letter, numeral, symbol or pictorial figure indicative of contents of the additional attribute data included in the note data, simultaneously at a position specified on the basis of the time data included in the note data.